Application No.	Applicant(s)
10/781,361	BACKES ET AL.
Examiner	Art Unit
Jaime M. Hollidav	2686
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. This communication is responsive to Applicant's amendment filed on 2/1/06.	
2. The allowed claim(s) is/are <u>1-4</u> .	
3.	
6. ☐ Interview Summary Paper No./Mail Da 98), 7. ☐ Examiner's Amendr	te .
	Jaime M. Holliday ars on the cover sheet with the co (OR REMAINS) CLOSED in this application is subject to and MPEP 1308. Int filed on 2/1/06. der 35 U.S.C. § 119(a)-(d) or (f). been received. been received in Application Nocuments have been received in this of this communication to file a reply ENT of this application. itted. Note the attached EXAMINER as reason(s) why the oath or declara t be submitted. on's Patent Drawing Review (PTO- s Amendment / Comment or in the Co s Amendment / Comment or in the Co s Amendment / C

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DETAILED ACTION

Allowable Subject Matter

- 1. Claims 1-4 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:

Consider claim 1, the best prior art found during examination of the present application, Douthitt et al. (U.S. Patent # 5,524,280) in view of Ayerst et al. (U.S. Patent # 5,740,534), and in further view of Black et al. (U.S. Patent # 6,738,599 B2), fail to specifically show, disclose or suggest that after scanning a plurality of frequencies, creating a scan table, a channel map with device IDs, creating another triplet channel amp with groups of three channels, selecting a channel from this map based on lowest average power, transmitting a message on the selected channel, receiving message on this channel and base on this message, updating the scan table, calculating a vector sum representing all average power levels, transmitting message that includes the vector sum on the selected channel, receiving messages on this channel, maintaining a claim table with the device IDs that sent the messages, and evaluating the claim table.

Douthitt et al. show and disclose a general frequency reuse data communications system including a method of acquiring a channel, including fast scanning a predetermined list, reading on the claimed "scan table," of data channels to identify a fast scanned channel, intermediate scanning, and slow scanning. Fast scanning may further include a step of assigning a weight to each channel in the predetermined list of

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channels and the ranking each channel in accordance with weight, reading on the claimed "sorting of channel map," (abstract, col. 4 lines 1-4). This method is suitable for execution by any processor that has been programmed with the appropriate software and is interfaced with or controlling a receiver arranged to receive signals and assess signal strength, etc. In fast scanning the subscriber unit evaluates each channel in the predetermined list for a first time, reading on the claimed "scan interval," (col. 35-45).

Ayerst et al. show and disclose scanning a plurality of frequencies to determine a control channel to receive a signal and a receiver for receiving the signal representative of an available frequency associated with a geographic region. Each signal includes a channel identifier, reading on the claim "device ID," (abstract). A control channel is one of the available frequency channels that are active for receiving address and system configuration information. When a message is directed to a selective call radio, the site controller transmits the selective call addresses and the channel identifiers on the control channel that indicates the frequency of the outbound message, reading on the claimed "transmitting and receiving messages," (col. 4 lines 23-29). A selective call transceiver or radio, after it has roamed, will scan through its frequency list until it finds a control channel, reading on the claimed "selected channel," where it will receive system configuration information which will be stored, (col. 6 lines 39-43).

Black et al. show and disclose a channel map that is created and maintained at each mobile station, which is populated with channel characteristic indicia of channel frequencies that night be available. An apparatus includes a channel map that contains a listing that forms a sequence of channel frequencies and characteristic indicia

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associated with respective ones of the channel frequencies, reading on the claimed "sorting channel map into a triplet channel map," (abstract, col. 6 lines 18-22). A channel characteristic supplier includes a channel frequency measurer that measures energy levels. Values determined by the measurer form local values of channel characteristic indicia. Selections made by the controller are responsive to values of he channel characteristic indicia stored at the channel map. The channel map provides a manner by which to rank candidate channel frequencies based upon channel qualities indicated by values of the characteristic indicia, reading on the claimed "selecting a channel from he triplet channel map, by selecting the channel with the lowest average power," (col. 6 lines 29-46, col. 7 lines 4-18).

3. Douthitt et al. in view of Ayerst et al., and in further view of Black et al., however, lacks the claimed preclaim messages, claim messages, claim table, and its evaluation, therefore these limitations, in conjunction with the other limitations recited in claim 1, are novel and unobvious in view of the combination of Douthitt et al., Ayerst et al. and Black et al.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jaime M. Holliday whose telephone number is (571) 272-8618. The examiner can normally be reached on Monday through Friday 7:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on (571) 272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ja⁄ime Holliḋay∕

.Patent Examineો